

For Research Use Only

GPX8 Polyclonal antibody

Catalog Number: 16846-1-AP

Featured Product

5 Publications



Basic Information

Catalog Number:

16846-1-AP

Size:

600 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG9930

GenBank Accession Number:

BC029424

GeneID (NCBI):

493869

UNIPROT ID:

Q8TED1

Full Name:

glutathione peroxidase 8 (putative)

Calculated MW:

209 aa, 24 kDa

Observed MW:

24 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

Applications

Tested Applications:

WB, IP, IHC, ELISA

Cited Applications:

WB, IF, IHC

Species Specificity:

human, mouse, rat

Cited Species:

human, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : U-251 cells, HEK-293 cells

IP : HEK-293 cells,

IHC : human stomach cancer tissue,

Background Information

GPX8 (Probable glutathione peroxidase 8) is also named as GSHPx-8 and belongs to the glutathione peroxidase family. Glutathione peroxidase (GPx) reduces hydroperoxides, including hydrogen peroxides, in the presence of reduced glutathione as a means of protecting organisms from oxidative damage. Several GPx isozymes have been identified in animal cells and these have been classified into different groups according to their cellular location and substrate specificity. In humans, eight types of GPx have been identified from GPx1 to GPx8. The full length GPX8 has 209 amino acids and the molecular weight is 24 kDa.

Notable Publications

Author	Pubmed ID	Journal	Application
Ilir Mehmeti	28751022	Free Radic Biol Med	WB,IF
Sarah Sharifi	36468845	FASEB J	WB
Andriana Pavliuk-Karachevtseva	35208621	Medicina (Kaunas)	IHC

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

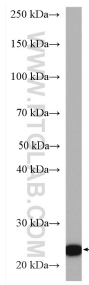
T: 4006900926

E: Proteintech-CN@ptglab.com

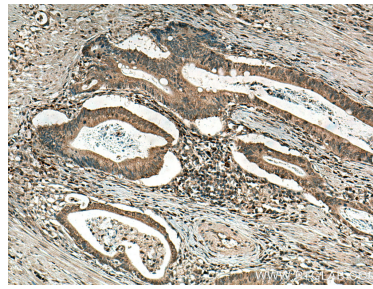
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

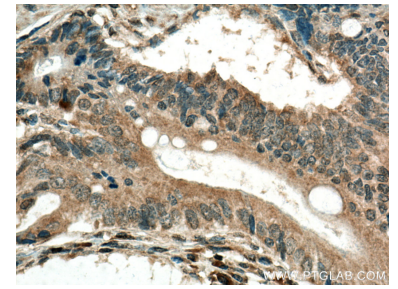
Selected Validation Data



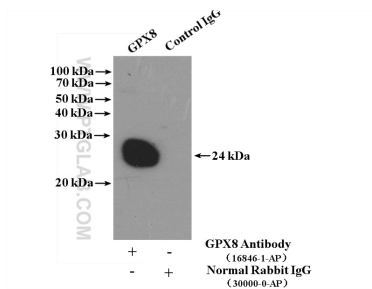
U-251 cells were subjected to SDS PAGE followed by western blot with 16846-1-AP (GPX8 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 16846-1-AP (GPX8 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 16846-1-AP (GPX8 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-GPX8 (IP:16846-1-AP, 4ug; Detection:16846-1-AP 1:300) with HEK-293 cells lysate 3000ug.